

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

<b>CONTRACTOR</b>		<b>CONTRACT NO./TASK NO.</b>		<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
QSS Group, Inc.		NAS5- <b>99124</b>	TASK NO. <b>335</b>	AMENDMENT	566-288-11-03-89  00
<b>TASK TITLE:</b> (NTE 80 characters; include Project name) AlmS MARS Camera Detector Breadboard Development					
<b>APPROVALS:</b> (Type or print name and sign)					
<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>			<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b> <b>PHONE</b>
Wes Powell <i>[Signature]</i>			8-8-00	566	566   301-286-1423
<b>BRANCH HEAD</b>			<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>
James E. Stephens <i>[Signature]</i>			8/9/00	566	301-286-8380
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>			<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>
Robert S. Lebar, Jr. <i>[Signature]</i>			8/14/00	560	301-286-6588
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?</b> <small>(If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)</small>		<b>CONTRACTING OFFICER'S QUALITY REP.</b>		<b>DESIGNATED FAM:</b>	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					
The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.				(To be completed by Contracting Officer) <b>C.O. Requested Quote on:</b> <b>Date:</b> AUG 15 2000	
Contractor will develop specification or statement of work under this task for a future procurement. <input type="checkbox"/> NO <input type="checkbox"/> YES					
Flight hardware will be shipped to GSFC for testing prior to final delivery. <input type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A					
Government Furnished Property/Facilities: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)					
Onsite Performance: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES      If yes: <input type="checkbox"/> TOTAL <input type="checkbox"/> PARTIAL If partial, indicate onsite work in SOW by asterisk (*)					
Surveillance Plan Attached: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					
Highlighted Contract Clauses:      (to be completed by Contracting Officer)					
Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be 8/15/00.					
<b>INCENTIVE FEE STRUCTURE</b> (check one) (See Contract NAS5-99124, Attachment K, Incentive Fee Plan)					
	<u>    </u> No. 1	<u>    </u> No. 2	<u>  X  </u> No. 3	<u>    </u> No. 4	<u>    </u> No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%
(To be completed by Contracting Officer)					
The target cost of this task order is \$ 25,867					
The target fee of this task order is \$ 1,660					
The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 27,527					
The maximum fee is \$ 2,426					
The minimum fee is \$0.					
<b>AUTHORIZED SIGNATURE:</b>					
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"					
<i>[Signature]</i> SIGNATURE OF CONTRACTING OFFICER		10/12/00 DATE		<i>[Typed Name]</i> TYPED NAME OF CONTRACTING OFFICER	
<b>CONTRACTOR'S ACCEPTANCE:</b>					
_____ AUTHORIZED SIGNATURE			_____ DATE		

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QSS Group, Inc.

NAS5-

99124

TASK NO.

335

AMENDMENT

Applicable paragraphs from contract Statement of Work:

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)

The contractor shall provide engineering services to the Ground Systems Hardware Branch for the development of Alms Mars Camera Detector Breadboards, including the following:

1. Design, fabricate, test, and document a CCD Breadboard for the Alms Mars Camera.
- ~~2. Design, fabricate, test, and document an IR Detector Breadboard for the Alms Mars Camera.~~
- ~~3. Support detector characterization using Detector Breadboards and computer based timing generation and image acquisition.~~
- ~~4. Support integration of the Detector Breadboards into the overall Breadboard Camera System.~~
- ~~5. Support system level testing and characterization of the Breadboard Camera System.~~

**PERFORMANCE SPECIFICATIONS:**

1. The Detector Breadboards shall house the test detectors and shall receive power and timing signals from other GSE.
2. The Detector Breadboards shall provide power and biased timing signals to the test detectors.
3. The Detector Breadboards shall buffer the analog signal outputs from the test detectors and shall output these signals to other GSE for digitization.

**APPLICABLE DOCUMENTS:**

None.

**TASK END DATE:** ~~12/31/00~~ 10/31/00**MILESTONES/DELIVERABLES AND DATES:**

1. CCD Breadboard Completed and Debugged: ~~9/1/00~~ 9/15/00
2. CCD Characterization Complete: ~~9/15/00~~ 10/31/00
- ~~3. IR Detector Breadboard Design Complete: 10/15/00~~
- ~~4. IR Detector Breadboard Completed and Debugged: 11/1/00~~
- ~~5. IR Detector Characterization Complete: 11/15/00~~
- ~~6. Camera Breadboard System Integrated: 12/1/00~~
- ~~7. Camera Breadboard System Characterization Complete: 12/31/00~~
8. Deliver All Breadboard Design Documentation including Schematics, Parts Lists, and Assembly Drawings: ~~12/31/00~~  
10/31/00

**PERFORMANCE STANDARDS:**

Schedule: On-time delivery/completion of the deliverables/milestones  
Technical: ATR's acceptance of the above

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Wes Powell, building 23, room E422